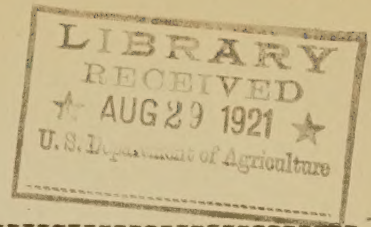


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INSECT PEST SURVEY

Bureau of Entomology, U.S. D.A.
and
State Agricultural Experiment Stations,
cooperating.



Special report 4

March 23, 1921.

CUTWORMS

Professor George A. Dean of the Kansas Agricultural Experiment Station writes under date of March 14, as follows:

"For nearly three weeks we have been receiving many reports of cutworms injuring wheat and alfalfa in the south central counties of Kansas. Most of the cutworms that have been sent in to the Department are Chorizagrotis. In some cases the cutworms are distributed over the greater part of the fields, while in other cases they are more numerous along the edge of the wheat fields adjoining pastures. Outbreaks of these cutworms are nothing new for south central Kansas. Almost every year we find them doing some injury. Due to the mild weather, they have appeared some two or three weeks earlier this season than in past years. In most instances they are readily brought under control by use of the poisoned bran mash.

PEA APHIS ATTACKING ALFALFA

Professor Dean also reports under date of March 18, that "during the last week we have received many reports of severe injury to alfalfa by the pea aphid. The seven or eight counties reporting the most serious injury are in the south-central part of the state. This is the first time we have known it to injure alfalfa, although we have known it to injure clover in three of the eastern counties, but even here the injury was local. Some of the County Bureau men have reported fields of 20 and 40 acres badly infested, and the spring growth withering and drying up.

The aphid has appeared much earlier this season than any previous year, due, I presume, to the exceptionally mild winter and early spring. Over most of the State where the injury is reported, the fields are very dry, and the alfalfa is not making nearly the growth it would if there were moisture in the ground."

Greenbug

Professor S. J. Hunter under date of March 17, says:

"that on the 22nd day of February we found greenbugs present in vicinity of Arkansas City, unaccompanied at that time by parasites. We have today come upon a serious infestation in the vicinity of Coffeyville. Parasites are in limited numbers. Mr. Hoffman is in charge of observations of Cowley and Doctor Lawson at Montgomery County. In both of these counties there are also alfalfa fields being seriously infested with pea aphid, M. pisi." Prof. C. E. Sanborn Oklahoma Agric. Exp. Station under date of Mar. 16, says "will state that the greenbug is now being brought under subjection by its parasites. The infestation will not be nearly as severe as during 1907."

Fall Army Worm

Under same date he reports that "the fall army worm is doing considerable damage in wheat in Stafford County."

